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PRELIMINARY ENVIRONMENTAL REVIEW

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Division/Bureau Environmental Sciences/Solid & Hazardous Waste Bureau

Project or Application Judith Basin County - Stanford Class II Landfill Expansion

Description of Project The Judith Basin County Commissioners have applied for a solid waste management system license for a new landfill site near the existing Stanford landfill. The new landfill is located in the NW₄SE₄SW₄ Section 16, Township 16 North, Range 12 East and consists of an additional 11.65 acre parcel. A November, 1985 soils evaluation by the USDA Soil Conservation Service shows the proposed site is suitable for licensing with the addition of some perimeter drainage diversion and importation of top soil for final cover. Comments listed on the attached page compare the potential impact of the proposed site in comparison to the existing facility.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Terrestrial & aquatic life and habitats			X			
2. Water quality, quantity and distribution		X				X
3. Geology & soil quality, stability and moisture			X			
4. Vegetation cover, quantity and quality			X			
5. Aesthetics			X			
6. Air quality		X				X
7. Unique, endangered, fragile, or limited environmental resources				X		
8. Demands on environmental resources of land, water, air & energy				X		
9. Historical and archaeological sites				X		
				X		

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Social structures and mores				X		
2. Cultural uniqueness and diversity				X		
3. Local and state tax base & tax revenue				X		
4. Agricultural or industrial production				X		
5. Human health				X		
6. Quantity and distribution of community and personal income				X		
7. Access to and quality of recreational and wilderness activities				X		
8. Quantity and distribution of employment				X		
9. Distribution and density of population and housing				X		
10. Demands for government services				X		
11. Industrial & commercial activity				X		
12. Demands for energy				X		
13. Locally adopted environmental plans & goals				X		X
14. Transportation networks & traffic flows			X			X

Other groups or agencies contacted or which may have overlapping jurisdiction Central Montana Health Department

Individuals or groups contributing to this PER. None

Recommendation concerning preparation of EIS No EIS necessary

PER Prepared by: James E. Leiter

Date: April 16, 1986

DHES/ESD-2

Potential Impact on Physical Environment

- 2) Water Quality, Quantity, & Distribution - The proposed location for the expansion of the Stanford landfill offers better protection for ground and surface water resources than the existing location. While there has been no documentation of ground or surface water contamination from the existing facility, the potential for such damage is higher in the existing landfill. The proposed location offers greater natural protection. Any impact from re-locating the landfill should therefore be a positive influence.
- 6) Air Quality - For years the existing landfill has been indiscriminately burned. The county has committed itself to proper operation of the existing and new facilities. This, again, should result in a net environmental improvement.

Potential Impact on Human Environment

- 12) Demands for Energy - A requirement for proper operation of the new facility will result in a minor increase in the consumption of fuel for landfill machinery.
- 14) Transportation Networks & Traffic Flows - The proposed location offers some new choices for access roads. If properly developed, improved access to the new landfill can decrease traffic through town to some degree.

